

Abstract of the Disclosure

An apparatus for use in a radio communication system, comprising a monitoring unit which monitors whether or not a transmission request for data, designating the particular apparatus itself as a transmission destination, has been issued by the particular apparatus or another apparatus connected thereto through a network; a generation unit which operates when the monitoring unit has detected the issue of the transmission request, to generate a process to serve as a reception destination for the data and also to generate a buffer in correspondence with the process; a transfer unit which transfers the data from a transmission request source to the process in accordance with communications of virtual circuit type, so as to store the data in the buffer; and a transmission unit which transmits the data stored in the buffer, to the other apparatus through a radio channel. Thus, enhancement in the throughput of end-to-end data communications can be realized.

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